


VERONICA-SQ-MINI-O

~15° + 50° oval beam

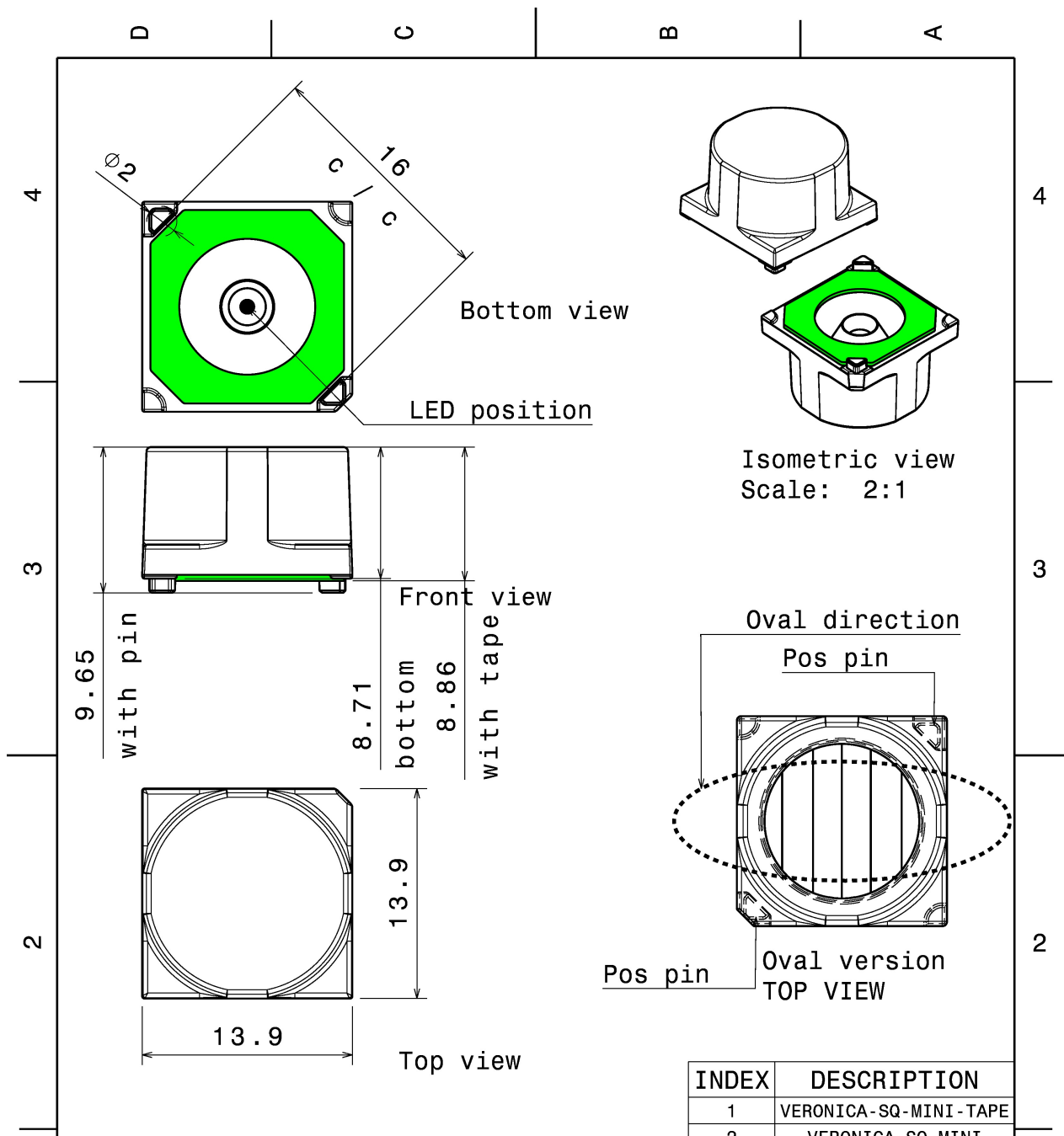
TECHNICAL SPECIFICATIONS:

Dimensions	13.9 mm
Height	8.9 mm
Fastening	tape, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	8.9 kg
Quantity in Box	5544 pcs
ROHS compliant	yes 



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
VERONICA-SQ-MINI-O	Single lens	PMMA	clear
VERONICA-SQ-MINI-TAPE	Tape	Acrylic foam	clear



Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 up to 30mm class M, otherwise class C
 According to DIN ISO 2768-2
 Form and position: class L

LEDiL Ledil Oy
 Joensuunkatu 13
 FIN 24100 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA-SQ-MINI

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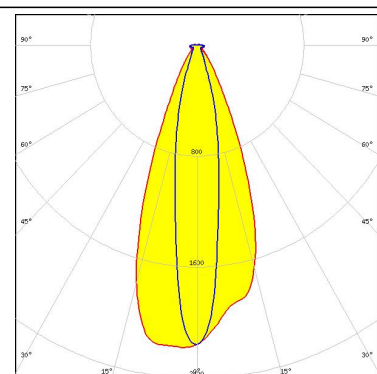
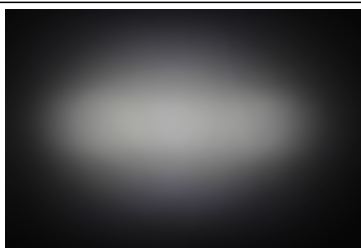
SIZE	PART NUMBER
A4	-

SCALE	3:1	WEIGHT		SHEET	1/1
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PHOTOMETRIC DATA (MEASURED):

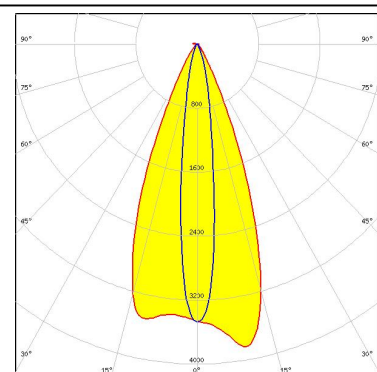
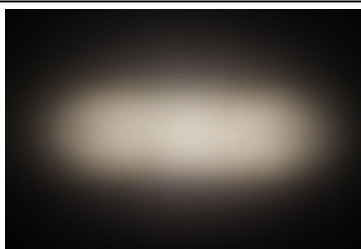
CREE 

LED XD16
 FWHM 41.0 + 18.0°
 Efficiency 89 %
 Peak intensity 2.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



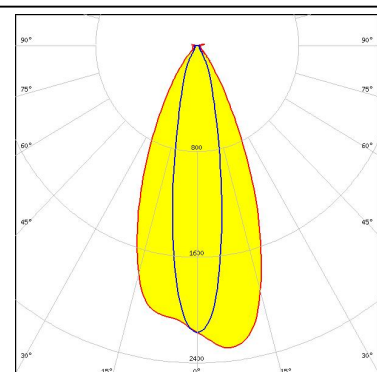
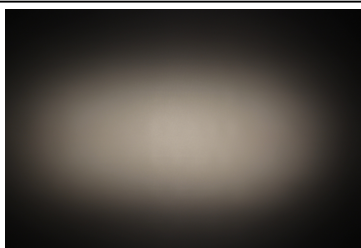
CREE 

LED XP-E2
 FWHM 42.0 + 14.0°
 Efficiency 92 %
 Peak intensity 3.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



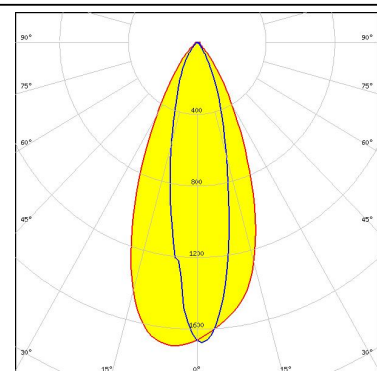
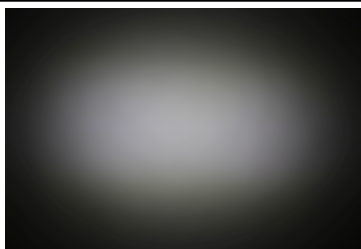
CREE 

LED XP-G2
 FWHM 45.0 + 20.0°
 Efficiency 92 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE 

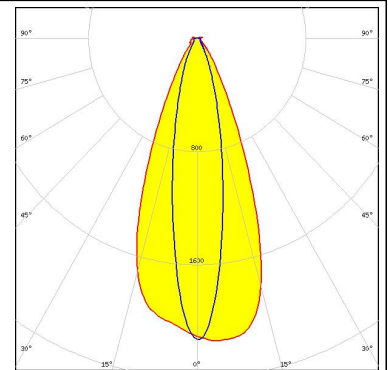
LED XP-G3
 FWHM 41.0 + 24.0°
 Efficiency 92 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

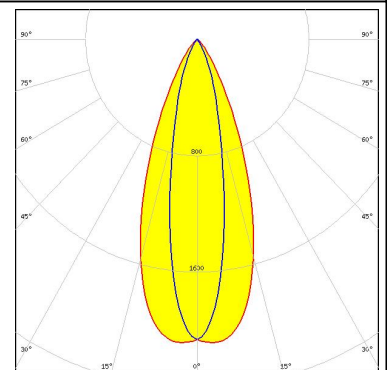
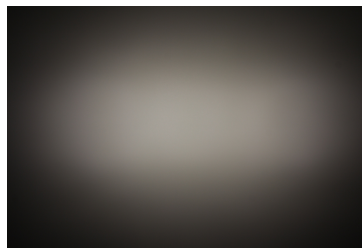
LUMILEDS

LED LUXEON Rebel
 FWHM 42.0 + 20.0°
 Efficiency 90 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



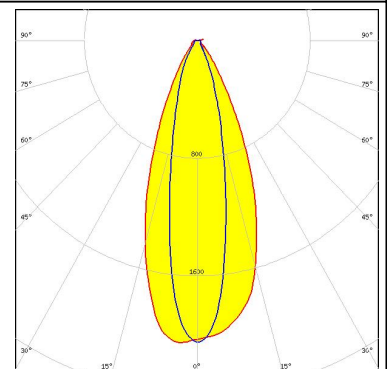
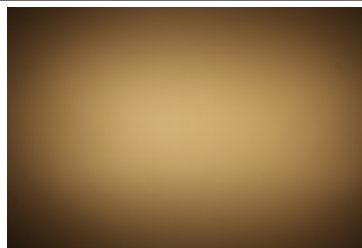
LUMILEDS

LED LUXEON Rebel ES
 FWHM 50.0 + 23.0°
 Efficiency 80 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



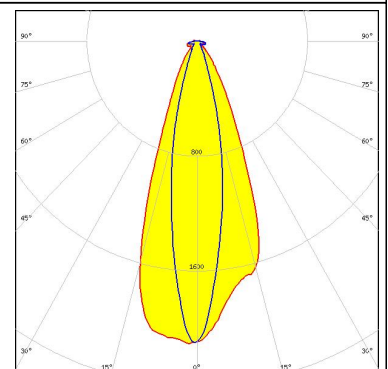
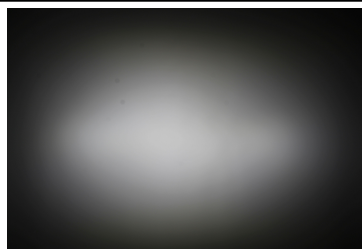
LUMILEDS

LED LUXEON TX
 FWHM 42.0 + 22.0°
 Efficiency 90 %
 Peak intensity 2.060 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

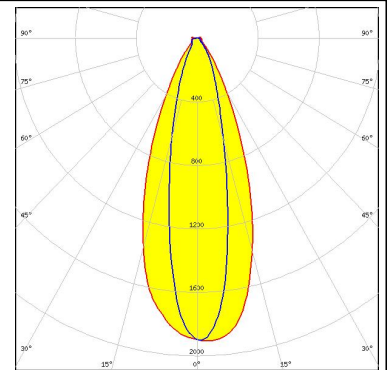
LED NCSxE17A
 FWHM 40.0 + 20.0°
 Efficiency 89 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



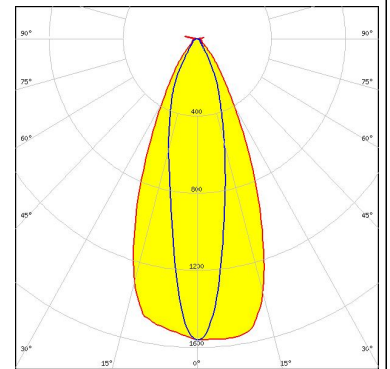
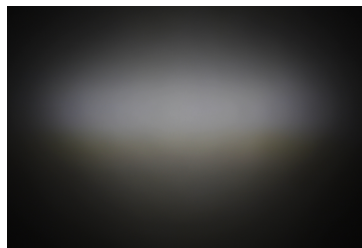
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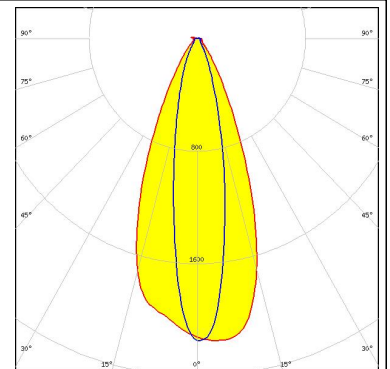
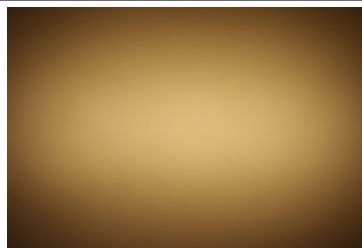
LED NVSxx19B/NVSxx19C
 FWHM 41.0 + 23.0°
 Efficiency 90 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



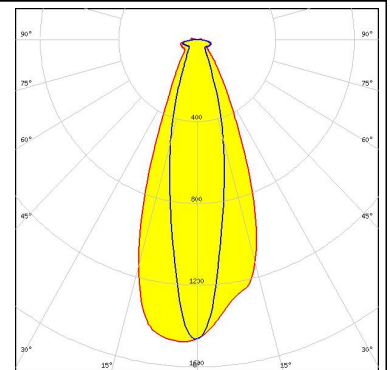
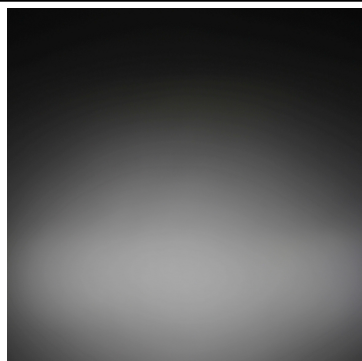
LED Duris S5 (2 chip)
 FWHM 76.0 + 22.0°
 Efficiency 74 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLON Square EC
 FWHM 42.0 + 20.0°
 Efficiency 89 %
 Peak intensity 2.150 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



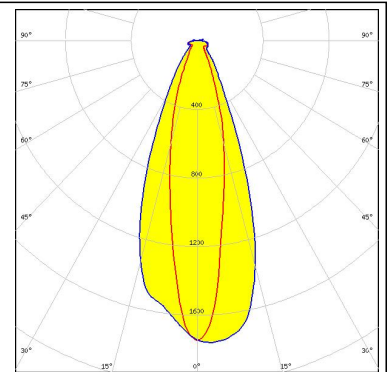
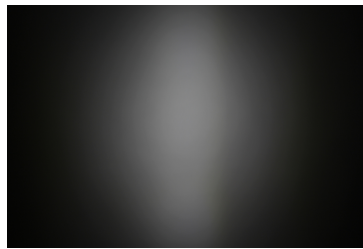
LED LH181A
 FWHM 42.0 + 22.0°
 Efficiency 88 %
 Peak intensity 1.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

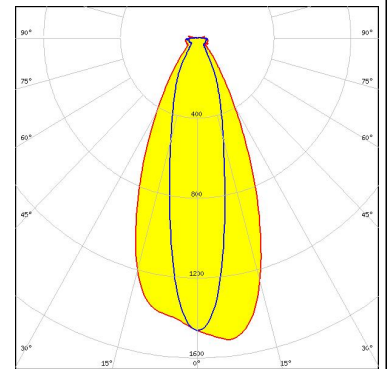
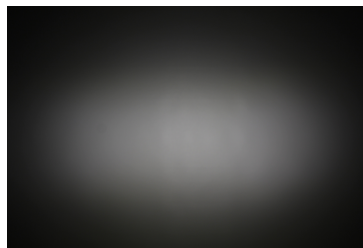
SAMSUNG

LED LH181B
FWHM 22.0 + 41.0°
Efficiency 91 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

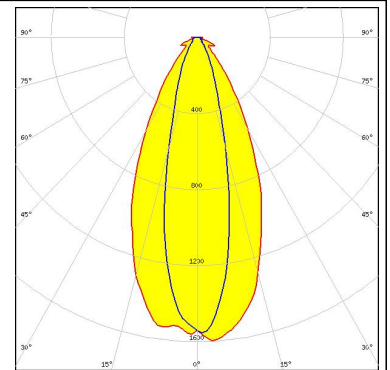
LED Z8Y22P
FWHM 46.0 + 23.0°
Efficiency 90 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):



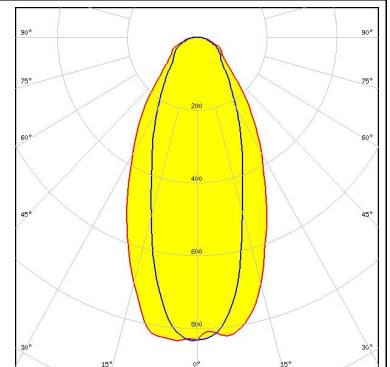
LED XP-G2 HE
 FWHM 50.0 + 26.0°
 Efficiency 90 %
 Peak intensity 1.598 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



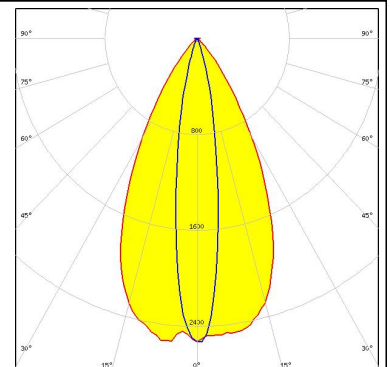
LED XQ-E HD
 FWHM 54.0 + 16.0°
 Efficiency 90 %
 Peak intensity 2.678 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Round LES
 FWHM 54.0 + 36.0°
 Efficiency 86 %
 Peak intensity 0.845 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



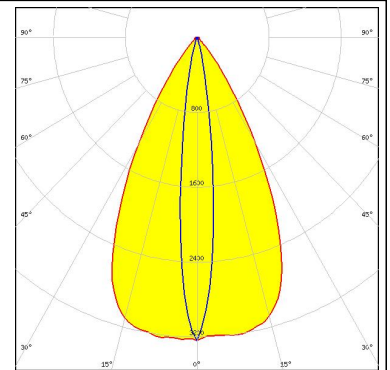
LED LUXEON C
 FWHM 53.0 + 17.0°
 Efficiency 87 %
 Peak intensity 2.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

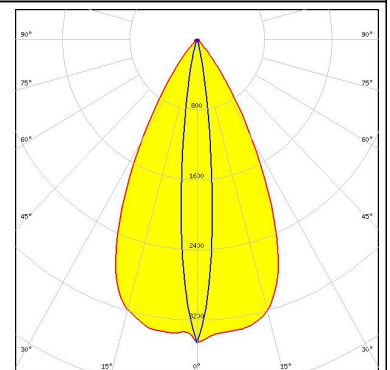
LUMILEDS

LED LUXEON CZ
 FWHM 56.0 + 13.0°
 Efficiency 91 %
 Peak intensity 3.260 cd/lm
 LEDs/each optic 1
 Light colour PC Amber
 Required components:



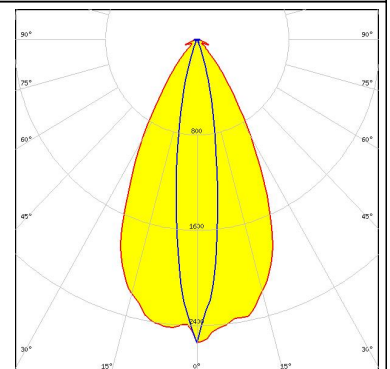
LUMILEDS

LED LUXEON CZ
 FWHM 54.0 + 12.0°
 Efficiency 91 %
 Peak intensity 3.460 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



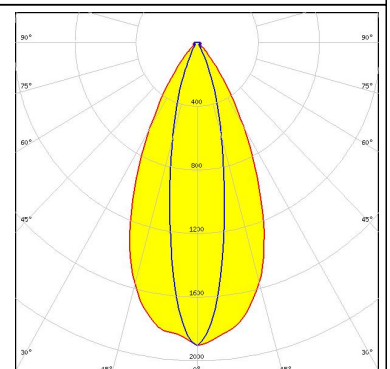
LUMILEDS

LED LUXEON Z ES
 FWHM 53.0 + 16.0°
 Efficiency 92 %
 Peak intensity 2.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

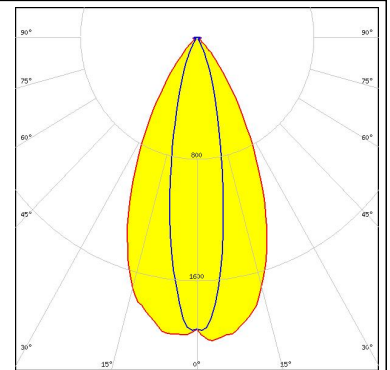
OSRAM Opto Semiconductors
 LED OSCONIQ P 3737 (2W version)
 FWHM 49.0 + 22.0°
 Efficiency 83 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

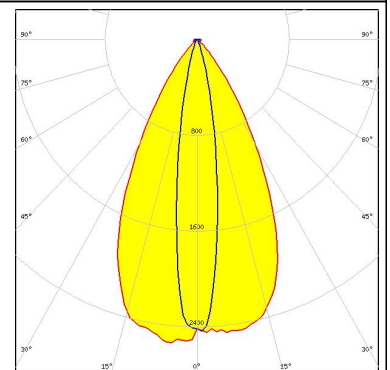
OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM 48.0 + 20.0°
 Efficiency 81 %
 Peak intensity 2.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



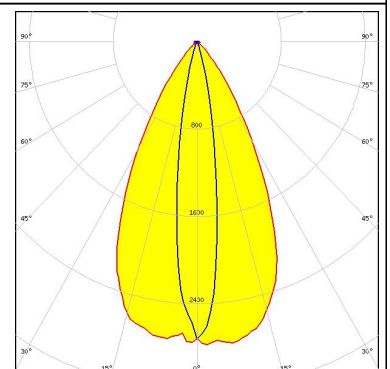
OSRAM
Opto Semiconductors

LED OSLON SSL 150
 FWHM 55.0 + 16.0°
 Efficiency 89 %
 Peak intensity 2.570 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



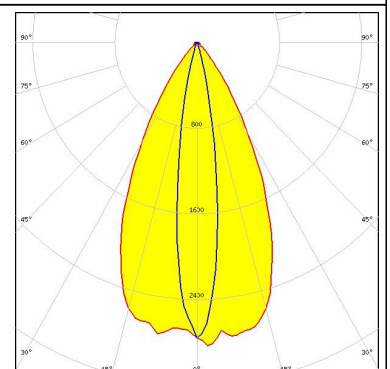
OSRAM
Opto Semiconductors

LED OSLON SSL 150
 FWHM 54.0 + 15.0°
 Efficiency 90 %
 Peak intensity 2.760 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



OSRAM
Opto Semiconductors

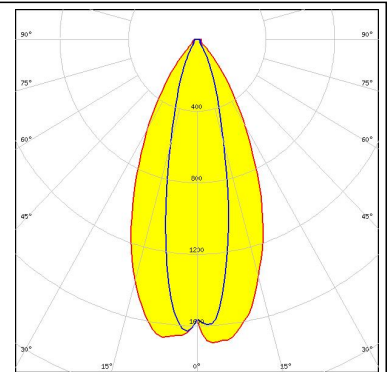
LED OSLON SSL 150
 FWHM 53.0 + 16.0°
 Efficiency 90 %
 Peak intensity 2.800 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



PHOTOMETRIC DATA (SIMULATED):

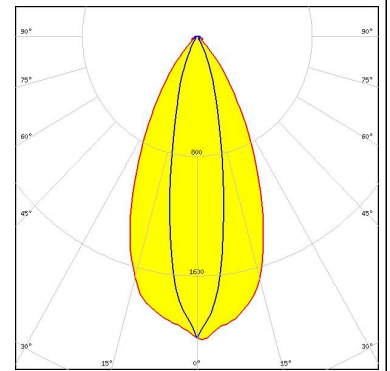
SAMSUNG

LED LH351B
 FWHM 49.0 + 24.0°
 Efficiency 84 %
 Peak intensity 1.770 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



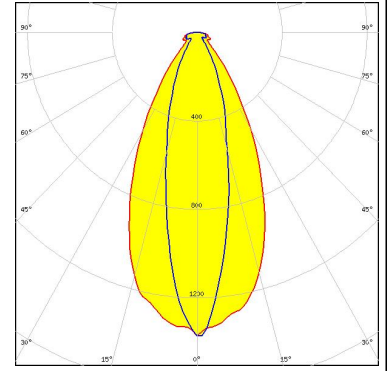
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM 50.0 + 22.0°
 Efficiency 88 %
 Peak intensity 2.030 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22T
 FWHM 51.0 + 25.0°
 Efficiency 87 %
 Peak intensity 1.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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Local sales and technical support

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where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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